

Abstract

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This Bachelor Diploma deals with carpal tunnel syndrome. In theoretical part I focus on anatomy, lead and innervation of the median nerve, etiology, pathophysiology, classification of carpal tunnel syndrome according to clinical findings, diagnosis, treatment, complications and prevention of carpal tunnel syndrome.

Noninvasive physiotherapy method of carpal tunnel syndrome include: physical therapy, mobilization and manipulation therapy, techniques on neurodynamic base, proprioceptive neuromuscular facilitation and kinesiotopeing.

The practical part contains two case reports. The first case study deals with the physical therapy treatment of carpal tunnel syndrome by conservative method. The second case study deals with the physical therapy treatment of carpal tunnel syndrome by operative method.

The aim of this work is to determine and compare the effectiveness of treatment.